



INTERNATIONAL STANDARD ISO 6336-6:2006
TECHNICAL CORRIGENDUM 1

Published 2007-08-01

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Calculation of load capacity of spur and helical gears —
Part 6:
Calculation of service life under variable load

TECHNICAL CORRIGENDUM 1

Calcul de la capacité de charge des engrenages cylindriques à dentures droite et hélicoïdale —
Partie 6: Calcul de la durée de vie en service sous charge variable

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO 6336-6:2006 was prepared by Technical Committee ISO/TC 60, *Gears*, Subcommittee SC 2, *Gear capacity calculation*.

Page 20

Clause C.6

Replace the equations with the following:

— For contact stress:

$$Z_{NTi} = \frac{\sigma_{Hi}}{\sigma_{HPi}}$$

$$N_i = \left(\frac{Z_{NTi}}{1,6} \right)^{-13,222\,469} \times 10^5 \text{ (if } Z_{NTi} > 1), N_i = (Z_{NTi})^{-32,601\,229\,26} \times 5 \times 10^7 \text{ (if } Z_{NTi} \leq 1)$$

$$U_i = \frac{n_i}{N_{ii}}$$

— For bending stress:

$$Y_{NTi} = \frac{\sigma_{Fi}}{\sigma_{FPi}}$$

$$N_i = \left(\frac{Y_{NTi}}{2,5} \right)^{-8,737\,249\,08} \times 10^3 \text{ (if } Y_{NTi} \geq 1), N_i = (Y_{NTi})^{-49,912\,503\,38} \times 3 \times 10^6 \text{ (if } Y_{NTi} < 1)$$

$$U_i = \frac{n_i}{N_{ii}}$$